

WHAT IS CLAIMED IS:

1. An apparatus for decontaminating air within an enclosed workspace located downstream and in fluid communication with the apparatus, the apparatus comprising:
 - (a) a housing containing an array of ultraviolet lamps mounted within an enclosure in said housing, said enclosure having an intake aperture and an exhaust aperture, said housing and said array forming an airflow processor such that uncontaminated air entering said intake aperture passes through said array before exiting said exhaust aperture,
 - (b) an airflow motivator urging said airflow through said housing and said array from said intake aperture and out through said exhaust aperture,
 - (c) a downstream conduit in fluid communication between said exhaust aperture and said workplace for directing said airflow into said workplace after being processed in said airflow processor, wherein said intake aperture is positionable relative to said workspace so that said airflow entering said intake aperture is uncontaminated air.
2. The apparatus of claim 1 further comprising an intake conduit having an upstream end exposed to ambient air external to said workspace and an opposite downstream end mounted to said intake aperture in fluid communication with said array.
3. The apparatus of claim 1 wherein said array is a parallel array.
4. The apparatus of claim 3 wherein said parallel array is vertical.
5. The apparatus of claim 1 wherein said downstream conduit is a flexible hose.

6. The apparatus of claim 2 wherein said intake conduit includes a rigid duct.
7. The apparatus of claim 6 wherein said rigid duct is vertical.
8. The apparatus of claim 2 wherein said downstream conduit is flexible.
9. The apparatus of claim 1 wherein said airflow motivator is a fan.
10. The apparatus of claim 1 wherein said array has a plurality of rows of ultraviolet lamps and wherein adjacent rows of said plurality of rows are offset relative to one another in the direction of said airflow.
11. The apparatus of claim 1 wherein said array is comprised of a vertically parallel array of stick lamps.
12. The apparatus of claim 11 wherein said array includes a plurality of rows and wherein adjacent rows of said plurality of rows are offset in a direction of said airflow so as to maximize exposure of said airflow to ultraviolet radiation from said array.
13. A method of decontaminating air contained within an enclosed workspace comprising the steps of.
 - (a) generating hydroxyl radicals in an airflow of non-contaminated air; and,
 - (b) urging said airflow into said workspace after said generating of said hydroxyl radicals in said airflow.
14. The method of claim 13 further comprising providing a housing containing ultraviolet lamps and motivating said airflow through said housing so as to generate hydroxyl radicals in said airflow as said airflow passes through said housing.

15. The method of claim 14 wherein said lamps are an array of such lamps, said method further comprising providing a downstream conduit in fluid communication between said housing and said workspace, and flowing said air flow downstream through said conduit so as to direct said airflow into said workspace.